DERWENT-ACC-NO: 2002-544937
DERWENT-WEEK: 200258

TITLE: Diurnal breathing loss control canister module system and constructing method thereof

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2002012826 A	February 20, 2002	N/A	001	B60K 015/10

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR2002012826A	N/A	2000KR-0046045	August 9, 2000

INT-CL (IPC): B60K015/10

ABSTRACTED-PUB-NO: KR2002012826A

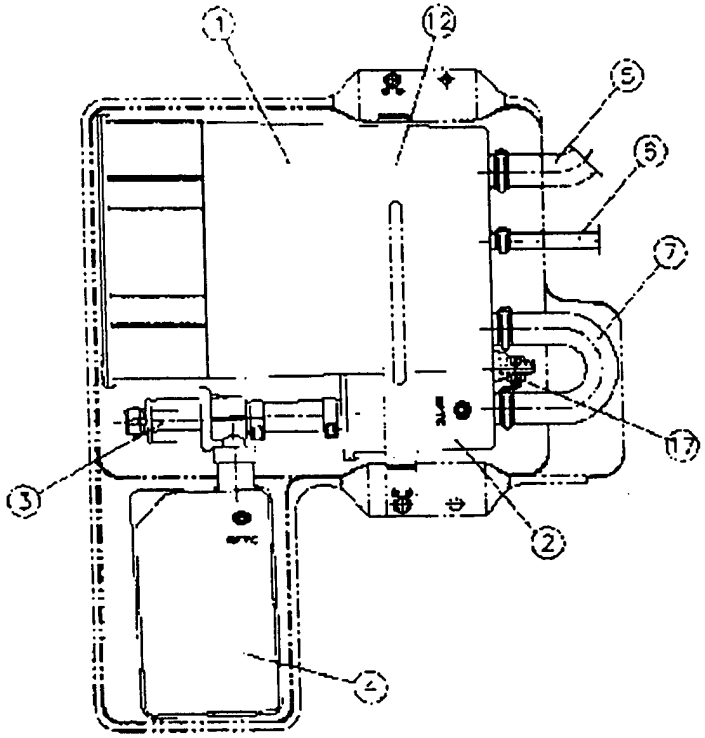
BASIC-ABSTRACT: NOVELTY - A constructing method of a DBL(Diurnal Breathing Loss) control canister module system is provided to cut down expenses and improve fuel efficiency by regulating DBL and preventing evaporative gas of fuel corresponding to exhaust gas regulation.

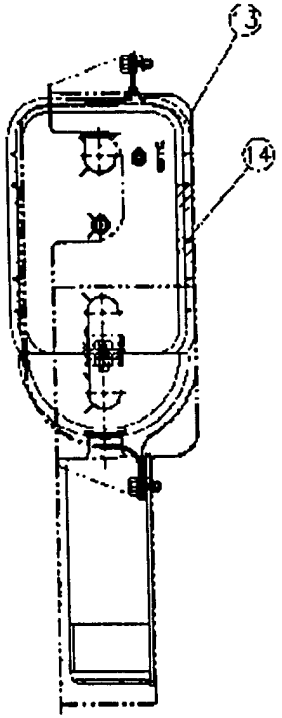
DETAILED DESCRIPTION - Hydrocarbon is discharged through a large canister(1), and collected to a DBL control canister(2). Activated carbon is filled in the DBL control canister with the volume of 250-1000CC. A canister close valve(3) is connected between the DBL control canister and an air filter(4) to detect leakage of gas, and air is purified with the air filter. The DBL control canister is fixed with a bolt and a nut(17), or integrally formed in the large canister to prevent from being separated against impact and vibration. Gas is evaporated with increasing temperature of fuel in a tank, and evaporative gas is adsorbed in activated carbon of the canister. Evaporative hydrocarbon is adsorbed in the activated carbon of the DBL control canister, and burned with recycling to the engine by negative pressure of the engine. Fuel efficiency is improved with regulating exhaust gas.

CHOSEN-DRAWING: Dwg.1/10

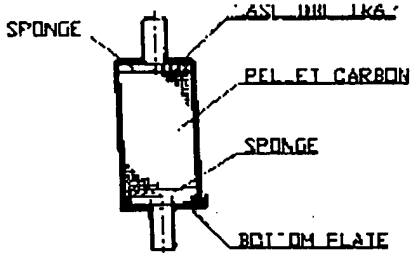
TITLE-TERMS:
DIURNAL BREATH LOSS CONTROL CANISTER MODULE SYSTEM CONSTRUCTION METHOD

DERWENT-CLASS: Q13





QTY	NO	PART NAME	RMKS
3	17	BOLT/NUT	
1	16	SPONGE	
1	15	DIFFUSION PLATE	
2	14	PAD	
1	13	PROTECTOR	
1	12	BAND-PROTECTOR	
1	11	ACTIVATED CARBON	
1	10	CLIP	
1	9	INSERT -PACKING	
1	8	HOSE-DBL CANI. TO CCV	
1	7	HOSE-CANI. TO DBL CANISTER	
1	6	HOSE-CANI TO VACUUM	
1	5	HOSE-CANI. TO TANK	
1	4	FILTER ASS'Y - AIR	
1	3	CANISTER CLOSE VALVE	
1	2	DBL CONTROL CANISTER	
1	1	CANISTER	



DETAIL '2'